

राष्ट्रीय प्रौद्योगिकी संस्थान,मणिपुर NATIONAL INSTITUTE OF TECHNOLOGY, MANIPUR

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An Autonomous Institute under MHRD, Govt. of India

CORRIGENDUM

Imphal, 21st February, 2020

Subject: NIT Manipur TEQIP-III advertisement No.TEQIP-III/2020/nitm/146 dated 05.02.2020 for the supply of GNSS Receiver/DGPS at NIT Manipur.

NITM.1/(227-TEQIP-III)/2019-20 (PART 1)(Pf)- In partial modification to the above referred Advertisement, it is hereby notified for information to all the prospective/ potential bidders that there is some changes in the specification of items, last date of submission is extended upto 11th March 2020 and can be obtained from the institute website at www.nitmanipur.ac.in.

Revised Equipment Specification in Annexure I & II.

Other terms and conditions of the tender document will remain unaltered.

(Dr. Kh. Manglem Singh) Registrar (i/c), NIT Manipur

Copy to:

- 1. PS to the Director, NIT Manipur
- 2. TEQIP-III, Nodal Officer (Procurement)
- 3. Technical Officer, NIT Manipur for uploading in website
- 4. CF/GF.

	CHIRICAL DI LCLI 10001	R MULTI FREQUENCY DGPS
NSS PERFORMANCE		- tallitar tracking systems communication
NSS Antenna/ technology		Fully integrated GNSS Antenna satellites tracking systems communication Bluetooth High gain Integrated antenna with Sub-mm phase
		220 or more (Tracking of 50 satellites or more simultaneously)
umber of channels		GPS: L1C/A, L1C, L2C, L2E
itellite Signal tracking & Recording		GLONASS: L1C/A, L1P, L2C/A, L2P
		SBAS: WASS, EGNOS, GAGAN
		SBAS : L1C/A
		BeiDou (COMPASS): B1, B2
		IRNSS
EASUREMENT PERFORMANCE &	ACCURACY	Continuous check of RTK solution, reliability 99.99%
TK technology	SmartCheck	VRS, FKP, IMAX, RTCM
	Network RTK	Typically 4s
	Time for initialisation	
ode differential	DGPS / RTCM	Typically 25cm Hz 8mm + 1ppm / V 15mm + 1ppm
teal-time kinematic (GSM & RADIO)	RTK	Hz 3mm + 0.1ppm / V 3.5mm + 0.4ppm
ost processing	Static	Hz 3mm + 0.1ppm / V 3.3mm / 0.1ppm
COMMUNICATIONS		USB/RS232 serial, Integrated Bluetooth/WiFi, Radio Modem Port
Communication ports		OEM format/4G, CMR, CMR+, RTCM 2.2, 2.3, 3.0, 3.1, 3.2
Communication protocols	RTK data protocols	Integrated, Internal Antenna
Built-in data links	3.75G GSM or better	Integrated, Internal Attenna Integrated, Receive & transmit 1W
JOHN III JOHN III III II	Radio modem	Integrated, Receive & transmit IV GSM / GPRS / UMTS / CDMA and UHF / VHF modem
xternal data links		IGSM / GPKS / UMIS / CONTR GIO OTT / TIT
MEMORY		OCD and more
Data Storage	Internal Memory of Removable MicroSD car	d minimum 8GB and more
Jata Storage	Data Recording Format and Recording Rate	GNSS raw data and RINEX data recording rate 20Hz or more
User interface	Buttons & LEDs	On/Off, Function Button, Status LEDs Internal or Internal Removable Memory minimum 1GB
GENERAL User interface Data recording	Storage	Internal or Internal Removable Memory minimum 1GB
User interface Data recording	Storage Data type and recording rate	Internal or Internal Removable Memory minimum 1GB
User interface	Storage Data type and recording rate Internal power supply	Internal or Internal Removable Memory minimum 1Gb GNSS Raw Data upto 20Hz Exchangeable Li-Ion battery (2.6 Ah / 7.4 V) 6 hrs or more
User interface Data recording Power management	Storage Data type and recording rate Internal power supply Operation time	Internal or Internal Removable Memory minimum 1Gb GNSS Raw Data upto 20Hz Exchangeable Li-Ion battery (2.6 Ah / 7.4 V) 6 hrs or more 1-30 to 60°C
User interface Data recording	Storage Data type and recording rate Internal power supply Operation time Operating Temperature	Internal or Internal Removable Memory minimum 1Gb GNSS Raw Data upto 20Hz Exchangeable Li-Ion battery (2.6 Ah / 7.4 V) 6 hrs or more
User interface Data recording Power management	Storage Data type and recording rate Internal power supply Operation time Operating Temperature Drop	Internal or Internal Removable Memory minimum 1Gb GNSS Raw Data upto 20Hz Exchangeable Li-Ion battery (2.6 Ah / 7.4 V) 6 hrs or more 1-30 to 60°C
User interface Data recording Power management	Storage Data type and recording rate Internal power supply Operation time Operating Temperature Drop Dust & Water Proof	Internal or Internal Removable Memory minimum 1Gb GNSS Raw Data upto 20Hz Exchangeable Li-Ion battery (2.6 Ah / 7.4 V) 6 hrs or more -30 to 60°C 2mtr onto Hard Surfaces 1P67 or Better 100%, Condensing
User interface Data recording Power management	Storage Data type and recording rate Internal power supply Operation time Operating Temperature Drop Dust & Water Proof	Internal or Internal Removable Memory minimum 1Gb GNSS Raw Data upto 20Hz Exchangeable Li-Ion battery (2.6 Ah / 7.4 V) 6 hrs or more -30 to 60°C 2mtr onto Hard Surfaces 1P67 or Better 100%, Condensing
User interface Data recording Power management Environmental	Storage Data type and recording rate Internal power supply Operation time Operating Temperature Drop Dust & Water Proof Humidity TECHNICAL SPECIFICAT	Internal or Internal Removable Memory minimum 1Gb GNSS Raw Data upto 20Hz Exchangeable Li-Ion battery (2.6 Ah / 7.4 V) 6 hrs or more -30 to 60°C 2mtr onto Hard Surfaces 1P67 or Better 100%, Condensing
User interface Data recording Power management Environmental Operating System	Storage Data type and recording rate Internal power supply Operation time Operating Temperature Drop Dust & Water Proof Humidity TECHNICAL SPECIFICAT Windows CE 6.0	Internal or Internal Removable Memory minimum 1Gb GNSS Raw Data upto 20Hz Exchangeable Li-Ion battery (2.6 Ah / 7.4 V) 6 hrs or more -30 to 60°C 2mtr onto Hard Surfaces 1P67 or Better 100%, Condensing
User interface Data recording Power management Environmental Operating System Processor	Storage Data type and recording rate Internal power supply Operation time Operating Temperature Drop Dust & Water Proof Humidity TECHNICAL SPECIFICAT Windows CE 6.0 512 MHz or More	Internal or Internal Removable Memory minimum 1Gb GNSS Raw Data upto 20Hz Exchangeable Li-Ion battery (2.6 Ah / 7.4 V) 6 hrs or more -30 to 60°C 2mtr onto Hard Surfaces 1P67 or Better 100%, Condensing
User interface Data recording Power management Environmental Operating System Processor Memory	Storage Data type and recording rate Internal power supply Operation time Operating Temperature Drop Dust & Water Proof Humidity TECHNICAL SPECIFICAT Windows CE 6.0 512 MHz or More 512 MB DDR SDRAM or More	Internal or Internal Removable Memory minimum 1Gb GNSS Raw Data upto 20Hz Exchangeable Li-Ion battery (2.6 Ah / 7.4 V) 6 hrs or more -30 to 60°C 2mtr onto Hard Surfaces 1P67 or Better 100%, Condensing
User interface Data recording Power management Environmental Operating System Processor Memory Internal Memory	Storage Data type and recording rate Internal power supply Operation time Operating Temperature Drop Dust & Water Proof Humidity TECHNICAL SPECIFICAT Windows CE 6.0 512 MHz or More 512 MB DDR SDRAM or More 1GB or More	Internal or Internal Removable Memory minimum 1Gb GNSS Raw Data upto 20Hz Exchangeable Li-Ion battery (2.6 Ah / 7.4 V) 6 hrs or more -30 to 60°C 2mtr onto Hard Surfaces 1P67 or Better 100%, Condensing
User interface Data recording Power management Environmental Operating System Processor Memory Internal Memory Wireless connectivity	Storage Data type and recording rate Internal power supply Operation time Operating Temperature Drop Dust & Water Proof Humidity TECHNICAL SPECIFICAT Windows CE 6.0 512 MHz or More 512 MB DDR SDRAM or More IGB or More Bluetooth, WLAN	Internal or Internal Removable Memory minimum 1Gb GNSS Raw Data upto 20Hz Exchangeable Li-Ion battery (2.6 Ah / 7.4 V) 6 hrs or more -30 to 60°C 2mtr onto Hard Surfaces 1P67 or Better 100%, Condensing
User interface Data recording Power management Environmental Operating System Processor Memory Internal Memory Wireless connectivity Field Application Software	Storage Data type and recording rate Internal power supply Operation time Operating Temperature Drop Dust & Water Proof Humidity TECHNICAL SPECIFICAT Windows CE 6.0 512 MHz or More 512 MB DDR SDRAM or More 1GB or More Bluetoth, WLAN	Internal or Internal Removable Memory minimum IGB GNSS Raw Data upto 20Hz Exchangeable Li-Ion battery (2.6 Ah / 7.4 V) 6 hrs or more -30 to 60°C 2mtr onto Hard Surfaces IP67 or Better 100%, Condensing ION FOR CONTROLLER
User interface Data recording Power management Environmental Operating System Processor Memory Internal Memory Wireless connectivity Field Application Software Standard Software	Storage Data type and recording rate Internal power supply Operation time Operating Temperature Drop Dust & Water Proof Humidity TECHNICAL SPECIFICAT Windows CE 6.0 512 MHz or More 512 MB DDR SDRAM or More 1GB or More Bluetooth, WLAN For Regular Survey Works	Internal or Internal Removable Memory minimum IGB GNSS Raw Data upto 20Hz Exchangeable Li-Ion battery (2.6 Ah / 7.4 V) 6 hrs or more -30 to 60°C 2mtr onto Hard Surfaces IP67 or Better 100%, Condensing ION FOR CONTROLLER
User interface Data recording Power management Environmental Operating System Processor Memory Internal Memory Wireless connectivity Field Application Software Standard Software Removable Battery	Storage Data type and recording rate Internal power supply Operation time Operating Temperature Drop Dust & Water Proof Humidity TECHNICAL SPECIFICAT Windows CE 6.0 512 MHz or More 512 MB DDR SDRAM or More 1GB or More Bluetooth, WLAN For Regular Survey Works Internet Explorer Mobile, File Explorer, Wc 2nos with option for connecting external p	Internal or Internal Removable Memory minimum IGB GNSS Raw Data upto 20Hz Exchangeable Li-Ion battery (2.6 Ah / 7.4 V) 6 hrs or more -30 to 60°C 2mtr onto Hard Surfaces IP67 or Better 100%, Condensing ION FOR CONTROLLER
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User interface Data recording Power management Environmental Operating System Processor Memory Internal Memory Wireless connectivity Field Application Software Standard Software Standard Software Removable Battery Battery Charging Time Power	Storage Data type and recording rate Internal power supply Operation time Operating Temperature Drop Dust & Water Proof Humidity TECHNICAL SPECIFICAT Windows CE 6.0 512 MHz or More 512 MHz or More 1GB or More Bluetooth, WLAN For Regular Survey Works Internet Explorer Mobile, File Explorer, Wc 2nos with option for connecting external p 2 hours Nominal 12 V DC Range 10.5 – 28 V DC	Internal or Internal Removable Memory minimum IGB GNSS Raw Data upto 20Hz Exchangeable Li-Ion battery (2.6 Ah / 7.4 V) 6 hrs or more -30 to 60°C 2mtr onto Hard Surfaces IP67 or Better 100%, Condensing ION FOR CONTROLLER
Joser interface Data recording Power management Environmental Operating System Processor Memory Internal Memory Wireless connectivity Field Application Software Standard Software Removable Battery Battery Charging Time Power Operating Time	Storage Data type and recording rate Internal power supply Operation time Operating Temperature Drop Dust & Water Proof Humidity TECHNICAL SPECIFICAT Windows CE 6.0 512 MHz or More 512 MB DDR SDRAM or More 1GB or More Bluetooth, WLAN For Regular Survey Works Internet Explorer Mobile, File Explorer, WC 2nos with option for connecting external p 2 hours Nominal 12 V DC Range 10.5 – 28 V DC 6 hours or more	Internal or Internal Removable Memory minimum IGB GNSS Raw Data upto 20Hz Exchangeable Li-Ion battery (2.6 Ah / 7.4 V) 6 hrs or more -30 to 60°C 2mtr onto Hard Surfaces IP67 or Better 100%, Condensing ION FOR CONTROLLER
User interface Data recording Power management Environmental Operating System Processor Memory Wireless connectivity Field Application Software Standard Software Removable Battery Battery Charging Time Power Operating Time Operating Time	Storage Data type and recording rate Internal power supply Operation time Operating Temperature Drop Dust & Water Proof Humidity TECHNICAL SPECIFICAT Windows CE 6.0 512 MHz or More 512 MB DDR SDRAM or More 1GB or More Bluetooth, WLAN For Regular Survey Works Internet Explorer Mobile, File Explorer, Wo 2nos with option for connecting external p 2 hours Nominal 12 V DC Range 10.5 – 28 V DC 6 hours or more –30 to 60° C	Internal or Internal Removable Memory minimum IGB GNSS Raw Data upto 20Hz Exchangeable Li-Ion battery (2.6 Ah / 7.4 V) 6 hrs or more -30 to 60°C 2mtr onto Hard Surfaces IP67 or Better 100%, Condensing ION FOR CONTROLLER
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Jser interface Data recording Power management Environmental Operating System Processor Memory Wireless connectivity Field Application Software Standard Software Removable Battery Battery Charging Time Power Operating Time Operating Time	Storage Data type and recording rate Internal power supply Operation time Operating Temperature Drop Dust & Water Proof Humidity TECHNICAL SPECIFICAT Windows CE 6.0 512 MHz or More 512 MB DDR SDRAM or More 1GB or More Bluetooth, WLAN For Regular Survey Works Internet Explorer Mobile, File Explorer, WC 2nos with option for connecting external p 2 hours Nominal 12 V DC Range 10.5 – 28 V DC 6 hours or more -30 to 60° C IP67 or Better	Internal or Internal Removable Memory minimum IGB GNSS Raw Data upto 20Hz Exchangeable Li-Ion battery (2.6 Ah / 7.4 V) 6 hrs or more -30 to 60°C 2mtr onto Hard Surfaces IP67 or Better 100%, Condensing ION FOR CONTROLLER
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User interface Data recording Power management Environmental Operating System Processor Memory Internal Memory Wireless connectivity Field Application Software Standard Software Removable Battery Battery Charging Time Power Operating Time Operating Time Operating temperature Dust and Water / Humidity Display	Storage Data type and recording rate Internal power supply Operation time Operating Temperature Drop Dust & Water Proof Humidity **TECHNICAL SPECIFICAT** Windows CE 6.0 512 MHz or More 512 MB DDR SDRAM or More 1GB or More Bluetooth, WLAN For Regular Survey Works Internet Explorer Mobile, File Explorer, WC 2nos with option for connecting external p 2 hours Nominal 12 V DC Range 10.5 – 28 V DC 6 hours or more —30 to 60° C IP67 or Better Touch Screen, Min. 4.2 in, VGA colour TF Hard keys, full Qwerty Keypad as well as 15 MP auto focus camera with LED flash,	Internal or Internal Removable Memory minimum IGB GNSS Raw Data upto 20Hz Exchangeable Li-Ion battery (2.6 Ah / 7.4 V) 6 hrs or more -30 to 60°C 2mtr onto Hard Surfaces IP67 or Better 100%, Condensing ION FOR CONTROLLER
User interface Data recording Power management Environmental Operating System Processor Memory Internal Memory Wireless connectivity Field Application Software Standard Software Removable Battery Battery Charging Time Power Operating Time Operating Time Dust and Water / Humidity Display Keyboard	Storage Data type and recording rate Internal power supply Operation time Operating Temperature Drop Dust & Water Proof Humidity **TECHNICAL SPECIFICAT** Windows CE 6.0 512 MHz or More 512 MB DDR SDRAM or More 1GB or More Bluetooth, WLAN For Regular Survey Works Internet Explorer Mobile, File Explorer, WC 2nos with option for connecting external p 2 hours Nominal 12 V DC Range 10.5 – 28 V DC 6 hours or more –30 to 60° C IP67 or Better Touch Screen, Min. 4.2 in, VGA colour TF Hard keys, full Qwerty Keypad as well as 1 5 MP auto focus camera with LED flash, Integrated GPS with Geo-tagging	Internal or Internal Removable Memory minimum IGB GNSS Raw Data upto 20Hz Exchangeable Li-Ion battery (2.6 Ah / 7.4 V) 6 hrs or more -30 to 60°C 2mtr onto Hard Surfaces IP67 or Better 100%, Condensing ION FOR CONTROLLER
User interface Data recording Power management Environmental Operating System Processor Memory Internal Memory Wireless connectivity Field Application Software Standard Software Removable Battery Battery Charging Time Power Operating Time Operating Time Dust and Water / Humidity Display Keyboard	Storage Data type and recording rate Internal power supply Operation time Operating Temperature Drop Dust & Water Proof Humidity **TECHNICAL SPECIFICAT** Windows CE 6.0 512 MHz or More 512 MB DDR SDRAM or More 1GB or More Bluetooth, WLAN For Regular Survey Works Internet Explorer Mobile, File Explorer, WC 2nos with option for connecting external p 2 hours Nominal 12 V DC Range 10.5 – 28 V DC 6 hours or more –30 to 60° C IP67 or Better Touch Screen, Min. 4.2 in, VGA colour TF Hard keys, full Qwerty Keypad as well as 15 MP auto focus camera with LED flash, Integrated GPS with Geo-tagging Integrated accelerometer	Internal or Internal Removable Memory minimum IGB GNSS Raw Data upto 20Hz Exchangeable Li-Ion battery (2.6 Ah / 7.4 V) 6 hrs or more -30 to 60°C 2mtr onto Hard Surfaces IP67 or Better 100%, Condensing ION FOR CONTROLLER
User interface Data recording Power management Environmental Operating System Processor Memory Internal Memory Wireless connectivity Field Application Software Standard Software Removable Battery Battery Charging Time Power Operating Time Operating Time Dust and Water / Humidity Display Keyboard	Storage Data type and recording rate Internal power supply Operation time Operating Temperature Drop Dust & Water Proof Humidity TECHNICAL SPECIFICAT Windows CE 6.0 512 MHz or More 512 MB DDR SDRAM or More 1GB or More Bluetooth, WLAN For Regular Survey Works Internet Explorer Mobile, File Explorer, Wc 2nos with option for connecting external p 2 hours Nominal 12 V DC Range 10.5 – 28 V DC 6 hours or more —30 to 60° C IP67 or Better Touch Screen, Min. 4.2 in, VGA colour TF Hard Keys, full Qwerty Keypad as well as 5 MP auto focus camera with LED flash, Integrated GPS with Geo-tagging Integrated accelerometer Integrated compass	Internal or Internal Removable Memory minimum IGB GNSS Raw Data upto 20Hz Exchangeable Li-Ion battery (2.6 Ah / 7.4 V) 6 hrs or more -30 to 60°C 2mtr onto Hard Surfaces IP67 or Better 100%, Condensing ION FOR CONTROLLER
User interface Data recording Power management Environmental Operating System Processor Memory Internal Memory Wireless connectivity Field Application Software Standard Software Removable Battery Battery Charging Time Power Operating Time Operating Time Dust and Water / Humidity Display Keyboard	Storage Data type and recording rate Internal power supply Operation time Operating Temperature Drop Dust & Water Proof Humidity **TECHNICAL SPECIFICAT** Windows CE 6.0 512 MHz or More 512 MB DDR SDRAM or More 1GB or More Bluetooth, WLAN For Regular Survey Works Internet Explorer Mobile, File Explorer, WC 2nos with option for connecting external p 2 hours Nominal 12 V DC Range 10.5 – 28 V DC 6 hours or more –30 to 60° C IP67 or Better Touch Screen, Min. 4.2 in, VGA colour TF Hard keys, full Qwerty Keypad as well as 15 MP auto focus camera with LED flash, Integrated GPS with Geo-tagging Integrated accelerometer	Internal or Internal Removable Memory minimum IGB GNSS Raw Data upto 20Hz Exchangeable Li-Ion battery (2.6 Ah / 7.4 V) 6 hrs or more -30 to 60°C 2mtr onto Hard Surfaces IP67 or Better 100%, Condensing ION FOR CONTROLLER ord Mobile, etc cower source for long observation T (640x480 pixels) with LED backlight, Sunlight-Readable onboard virtual keypad

nu /Submenus flication Program		d FIELD/Controller Sold the signals tracked	
nu /Submenus	CAL SPECIFICATION FOR onboar	eration.The software should be able to log data for all the signals tracked noe. Mesurement to line, Co-ordinate system management, Code	
Section Program	User friendly Icon based menus for casy	nce, Mesurement to line, Co-ordinate system management, code	
	User friendly Icon based menus for easy field operation. The software should be able to log Surveying, Staking, COGO, Area, Two point Distance, Mesurement to line, Co-ordinate system management, Code Surveying, Staking, COGO, Area, Two point Distance, Mesurement to line, Co-ordinate system management, Code Surveying, Staking, COGO, Area, Two point Distance, Mesurement to line, Co-ordinate system management, Code Surveying, Staking, COGO, Area, Two point Distance, Mesurement to line, Co-ordinate system management, Code Surveying, Staking, COGO, Area, Two point Distance, Mesurement to line, Co-ordinate system management, Code Surveying, Staking, COGO, Area, Two point Distance, Mesurement to line, Co-ordinate system management, Code Surveying, Staking, COGO, Area, Two point Distance, Mesurement to line, Co-ordinate system management, Code Surveying, Staking, COGO, Area, Two point Distance, Mesurement to line, Co-ordinate system management, Code Surveying, Staking, COGO, Area, Two point Distance, Mesurement to line, Co-ordinate system management, Code Surveying, Staking, COGO, Area, Two point Distance, Mesurement to line, Co-ordinate system management, Code Surveying, Staking, COGO, Area, Two point Distance, Mesurement to line, Co-ordinate system management, Code Surveying, Cod		
ture Coding	Free Coding, The metical coding, Quick coding. Icon indicating the current status of measure mode, setting, Battery etc. Icon indicating the current status of measure mode, setting, Battery etc.		
ns Status	icon indicating the current status of measure mode, setting, Battery etc. Traverse Mercator, User definable UTM & country specific oblique Mercator. Lamboard, Soldner cassini, Polar		
15 Status	Traverse Mercator, User definable UTM & Count	ly specific out que	
p Projection	Sancographic Double stereographic, etc		
	- 1 Funget to industry standard		
	formats like CSV, DXF, Export CSV, DXF & Chainter lines, polygons captured in the field with user defined feature		
	formats like CSV, DXF, Export CSV, DXF & Field software must have facility for display of Points, lines, polygons captured in the field with user defined feature codes, line styles, colours etc. Active Background maps inform of JPEG/TIFF, DXF/DWG		
rvey Map screen	codes, line styles, colours etc. Active Backgroun	d maps inform of the Edy that y	
		CERCEING SOFTWARE	
TECH	INICAL SPECIFICATION FOR PO	ST-PROCESSING SOIT WARE	
TECH	Software must run on Windows 7, 8, 10		
Operating system	To the CAD platform Support for any		
	Built in CAU platform, Support to import		
	Level, Total Station, GNSS, Scanning Should be able to import raw data in OEM format (GPS/GLONASS reciever) as well as Rinex format, and facility to import		
port of raw data	Should be able to import raw data in our internet		
porcor	ephimeris data from IGS stations via internet Should be able to process multi-GNSS raw data from GPS, GLONASS, etc.		
ase-Rover Post processing of raw	Should be able to process multi-GN33 Taw date		
	The state of the s	work data by least square adjustment principle	
eta	Should be able to post process and adjust network data by least square adjustment principle		
etwork adjustment	the to avant data in kines, CAD, CAT, In the same of t		
xport eport generation	It must have facility to generate detailed post processing reports Should be able to handle RTK data and be		
	processing, Static base line Processing	hould be capable of processing using asselines to upto 500km or above with	
	seriest accumation	the without the	
Datum transformation	sufficient occupation Capable of transferring the data from one data	tum to another for given set of common points with or without the	
Datum transformation	sufficient occupation Capable of transferring the data from one data and the confidence of datums.		
	sufficient occupation Capable of transferring the data from one data and the confidence of datums.		
Feature coding	Sufficient occupation Capable of transferring the data from one data knowledge of datums Software should support feature coding The software should be capable of surface m	tum to another for given set of common points with or without the odelling from collected data through GNSS, ETS, Digital Levels and 3D	
	sufficient occupation Capable of transferring the data from one data and the confidence of datums.		
Feature coding Surfaces	Sufficient occupation Capable of transferring the data from one dat knowledge of datums Software should support feature coding The software should be capable of surface m Visualisation of the same	odelling from collected data through GNSS, ETS, Digital Levels and 3D	
Feature coding Surfaces Rill of materials (Acce	Sufficient occupation Capable of transferring the data from one dat knowledge of datums Software should support feature coding The software should be capable of surface m Visualisation of the same	odelling from collected data through GNSS, ETS, Digital Levels and 3D 2nos. One Base + One Rover	
Feature coding Surfaces Bill of materials (Acce GNSS receiver with accessories	Sufficient occupation Capable of transferring the data from one dat knowledge of datums Software should support feature coding The software should be capable of surface m Visualisation of the same	odelling from collected data through GNSS, ETS, Digital Levels and 3D 2nos. One Base + One Rover	
Feature coding Surfaces Bill of materials (Acce GNSS receiver with accessories	Sufficient occupation Capable of transferring the data from one dat knowledge of datums Software should support feature coding The software should be capable of surface m Visualisation of the same	odelling from collected data through GNSS, ETS, Digital Levels and 3D 2nos. One Base + One Rover 1no.	
Feature coding Surfaces Bill of materials (Acce GNSS receiver with accessories Controller Internal Rechargeable Battery	Sufficient occupation Capable of transferring the data from one dat knowledge of datums Software should support feature coding The software should be capable of surface m Visualisation of the same	2nos. One Base + One Rover 1no. 2nos. each for Base, Rover & Controllers	
Bill of materials (Acce GNSS receiver with accessories Controller Internal Rechargeable Battery Ouick Charger	Capable of transferring the data from one data knowledge of datums Software should support feature coding The software should be capable of surface my visualisation of the same	2nos. One Base + One Rover 1no. One for each Receiver and Controllers 1no. One for Base and One for Rover 2nos. One for Base and One for Rover	
Bill of materials (Acce GNSS receiver with accessories Controller Internal Rechargeable Battery Ouick Charger	Capable of transferring the data from one data knowledge of datums Software should support feature coding The software should be capable of surface my visualisation of the same	2nos. One Base + One Rover 1no. One for each Receiver and Controllers 1no. One for Base and One for Rover 2nos. One for Base and One for Rover	
Bill of materials (Acce GNSS receiver with accessories Controller Internal Rechargeable Battery Quick Charger Tripod setup for Base for PP data	Capable of transferring the data from one data knowledge of datums Software should support feature coding The software should be capable of surface my visualisation of the same SSORIES Collection and RTK base setup Pole Setup for rover with quick fix tripod/bipod for	2nos. One Base + One Rover 1no. 2nos. each for Base, Rover & Controllers 1no. One for each Receiver and Controller 2nos. One for Base and One for Rover 1no. for Rover	
Bill of materials (Acce GNSS receiver with accessories Controller Internal Rechargeable Battery Quick Charger Tripod setup for Base for PP data Light weight Carbon Fibre Survey stable setup during short interval	Capable of transferring the data from one data knowledge of datums Software should support feature coding The software should be capable of surface my visualisation of the same SSORIES Collection and RTK base setup Pole Setup for rover with quick fix tripod/bipod for	2nos. One Base + One Rover 1no. 2nos. each for Base, Rover & Controllers 1no. One for each Receiver and Controller 2nos. One for Base and One for Rover 1no. for Rover	
Bill of materials (Acce GNSS receiver with accessories Controller Internal Rechargeable Battery Quick Charger Tripod setup for Base for PP data	Capable of transferring the data from one data knowledge of datums Software should support feature coding The software should be capable of surface my visualisation of the same SSORIES Collection and RTK base setup Pole Setup for rover with quick fix tripod/bipod for	2nos. One Base + One Rover 1no. 2nos. each for Base, Rover & Controllers 1no. One for each Receiver and Controller 2nos. One for Base and One for Rover 1no. One for Rover	